

Subject: <b>Hygiene and Epidemiology</b>	Subject type:	<b>Compulsory</b>
Study year: 4.	Content:	<b>1/1 summer time</b>
Study program: <b>Dental Medicine</b>		

## **Aim of the course**

Student of the subject will receive the knowledge concerning the protection of the population mainly before infectious diseases and prevention of non-communicable diseases. Students will acquire basic knowledge about patterns of environmental impact on population health protection and promotion. Students will apply the acquired knowledge in practice. It also clarifies the basic concepts with a focus disease in orofacial system and their impact.

**Education:** lectures/practical

**Assessment:** written test, Exam

## **Syllabus**

Introduction to Hygiene and Epidemiology, basic concepts with a focus on infectious diseases in orofacial system. Epidemiologic classification of diseases. Methods in epidemiological studies. Sources of infection. Carriage of pathogenic microorganisms. Transmission mechanism, phase forms. Outbreak. Epidemiological process. Epidemic measures of prevention and suppression. Surveillance. Precautions on working with the biological material. Hospital infections. Decontamination and sterilization. Disinfection. Active and passive immunization. Vaccination. Specific prophylaxis. Environmental health. Influence of environmental factors on health. Food hygiene. Rational nutrition, alternative ways of eating. Occupational exposure and dental health. The issue of working environment, evaluation of allowable concentrations, health risks. Risk factors in health facilities and health protection. Hygiene of children and youth. Housing and health, factors affecting the quality of indoor protection, sick building syndrome. Epidemiology of head and neck cancer. European Code Against Cancer.